

**Amendments to the Drawings:**

New formal drawings (Figures 1-37) have been submitted herewith that comply with the Official Draftsperson's instructions. Specifically, (i) any erasures, alterations, overwritings, interlineations, folds and copy machine marks in Figure 18 have been removed to comply with 37 C.F.R. § 1.84(e); (ii) views have been labeled separately and properly in Figures 13A-14D and Figures 29A-29E to comply with 37 C.F.R. § 1.84(h); (iii) lines, numbers and letters have been modified to be uniformly thickened and well defined, clean, durable and black in Figures 1-10, 24A, 25-33F and 36A to comply with 37 C.F.R. § 1.84(i); and (iv) numbers and reference characters have been modified to be plain and legible in Figures 1-10, 16, 22A-D and 25-33F and Figure legends have been modified in Figures 1-10 and 11-14B to comply with 37 C.F.R. § 1.84(p).

Attachment: Replacement Sheet (Appendix A)



"REPLACEMENT SHEET"

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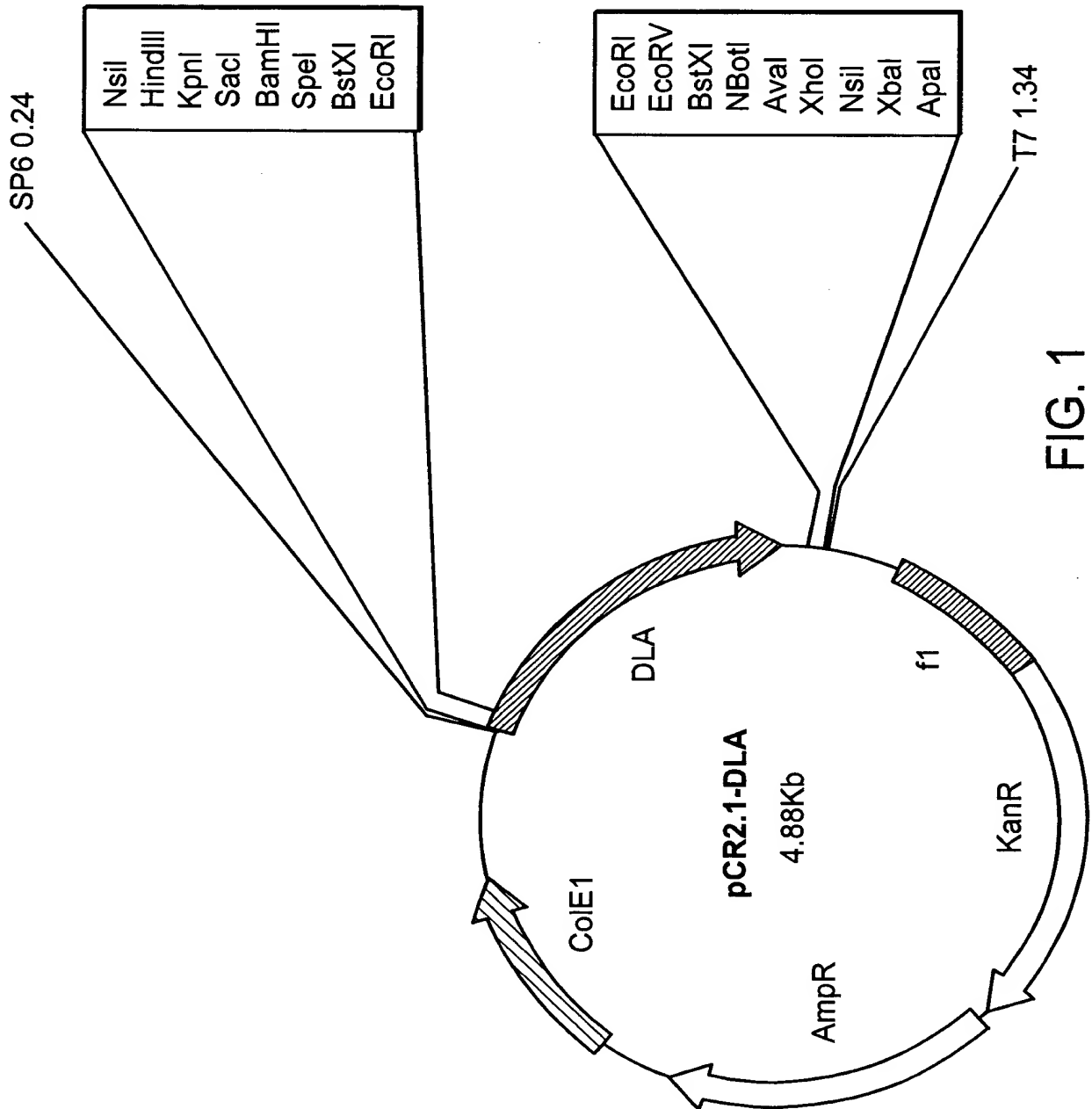


FIG. 1



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**β-Subunit**

Gowda 1 A Q S L S F S F T K F D P N Q E D L I F Q G T A T S . . . . . K L D S A G N P V S S S A G R V 42  
FRIL 1 A Q S L S F S F T K F D P N Q E D L I F Q G H A T S T N N V L Q V T K L D S A G N P V S S S A G R V 50

43 L Y S A P L R L W E D S A V L T S F D P T I Y . . I F T N Y T S R I A D G L A . F I A P P D S V I S 89  
51 L Y S A P L R L W E D S A V L T S F D T I I N F E I S T P Y T S R I A D G L A F F I A P P D S V I S 100

90 Y H G G F L G L F P N A A E S G . . . . . 105  
101 Y H G G F L G L F P N A N T L N N S S T S E N 123

**α-Subunit**

Gowda 1 . . . . . I A E S N V V A V E F D T D Y L N P D Y G D P N Y I H I G I D V N S I R S K V T A S W D W 45  
FRIL 1 Q T T K A A S S N V V A V E F D T . Y L N P D Y G D P N Y I H I G I D V N S I R S K V T A K W D W 49

46 Q N G K I A T A H I S Y N S V S K R L S V T T Y P G R G K P A T S Y D I E L H T V L P E W V R V G 95  
50 Q N G K I A T A H I S Y N S V S K R L S V T S Y A G S K P A T L S Y D I E L H T V L P E W V R V G 99

96 L S A S T G Q N I E R N T V H S W S F T S S L W T N V A K V G V A S I G . . . . . 132  
100 L S A S T G Q D K E R N T V H S W S F T S S L W T N V A K K E N E N K Y I T R G V L \* \* Y M C I N D 149

FIG. 2



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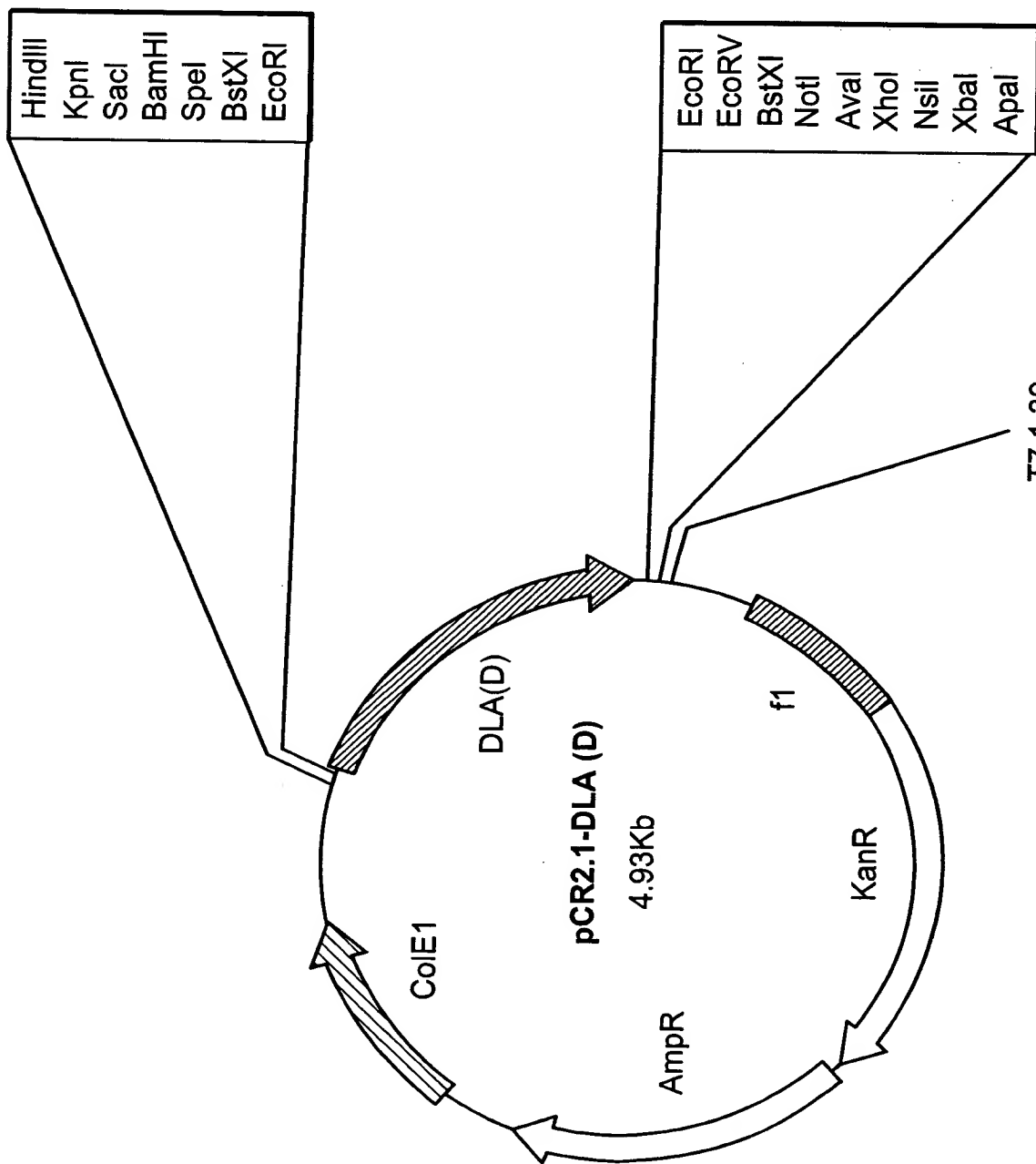


FIG. 3



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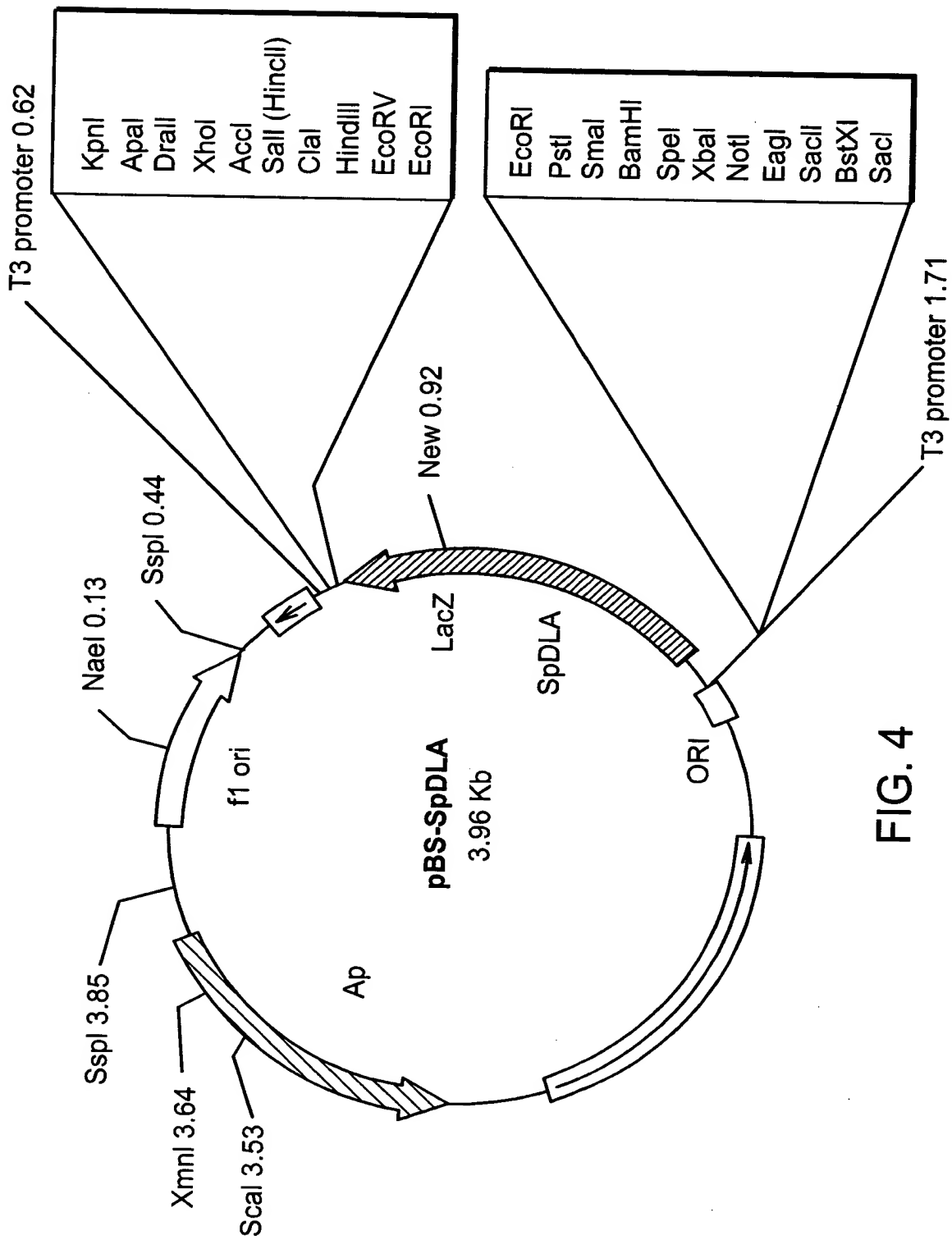


FIG. 4



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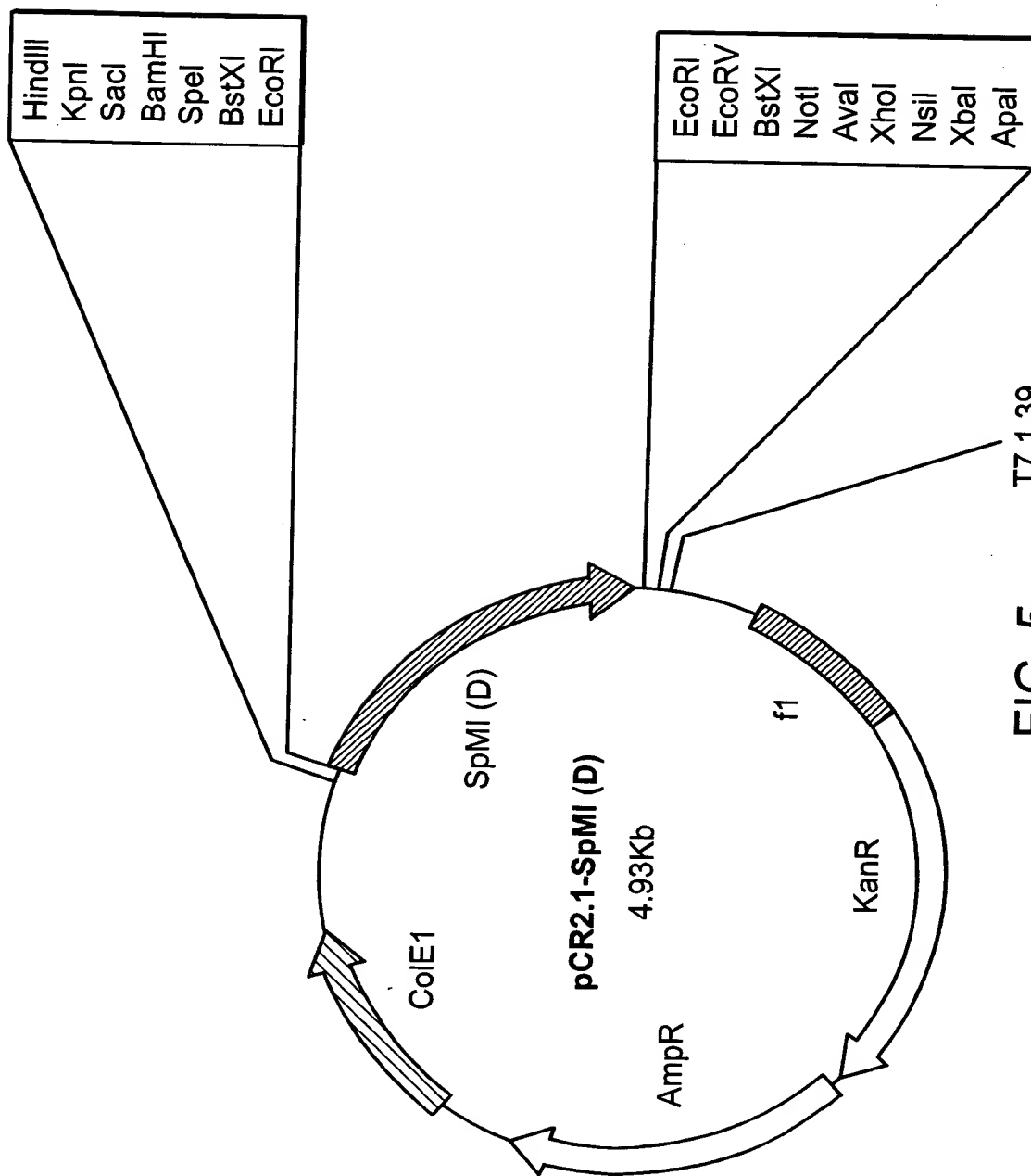


FIG. 5



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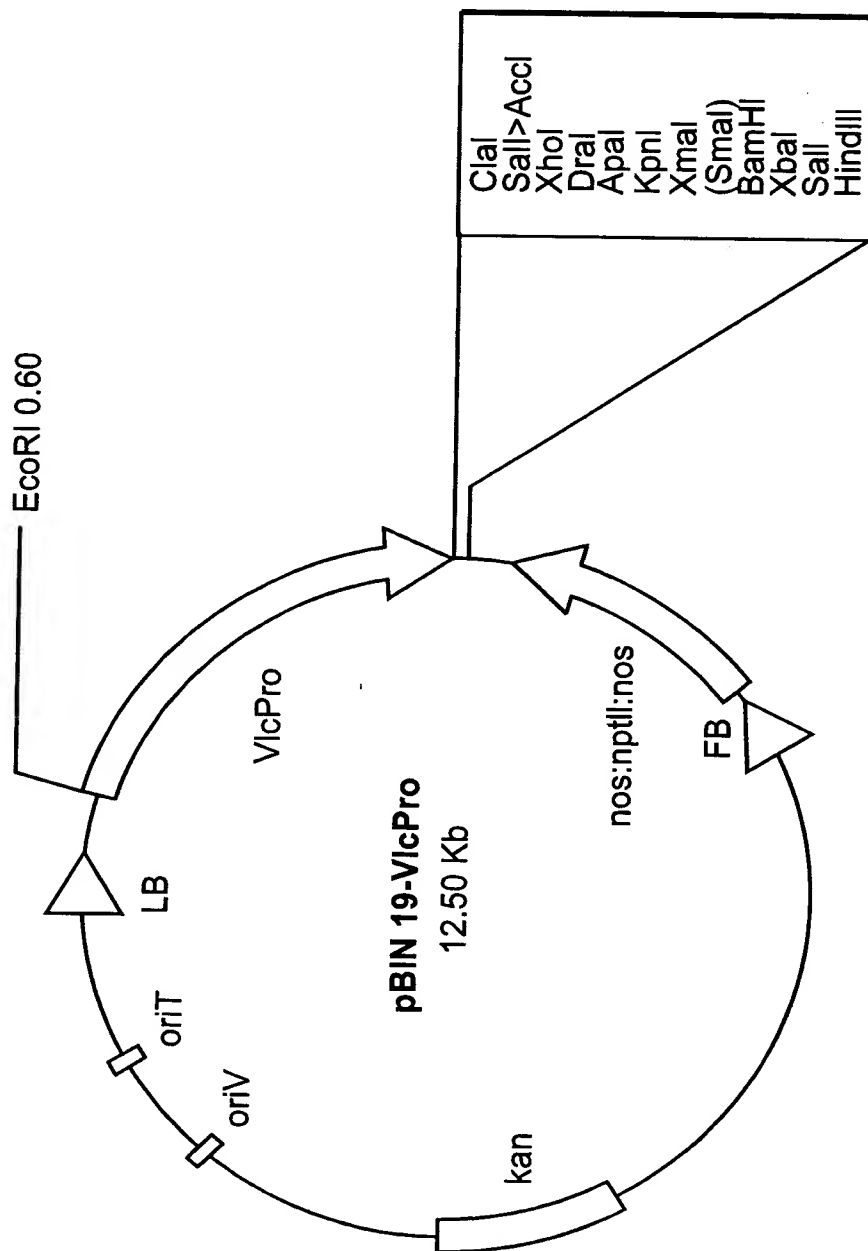


FIG. 6



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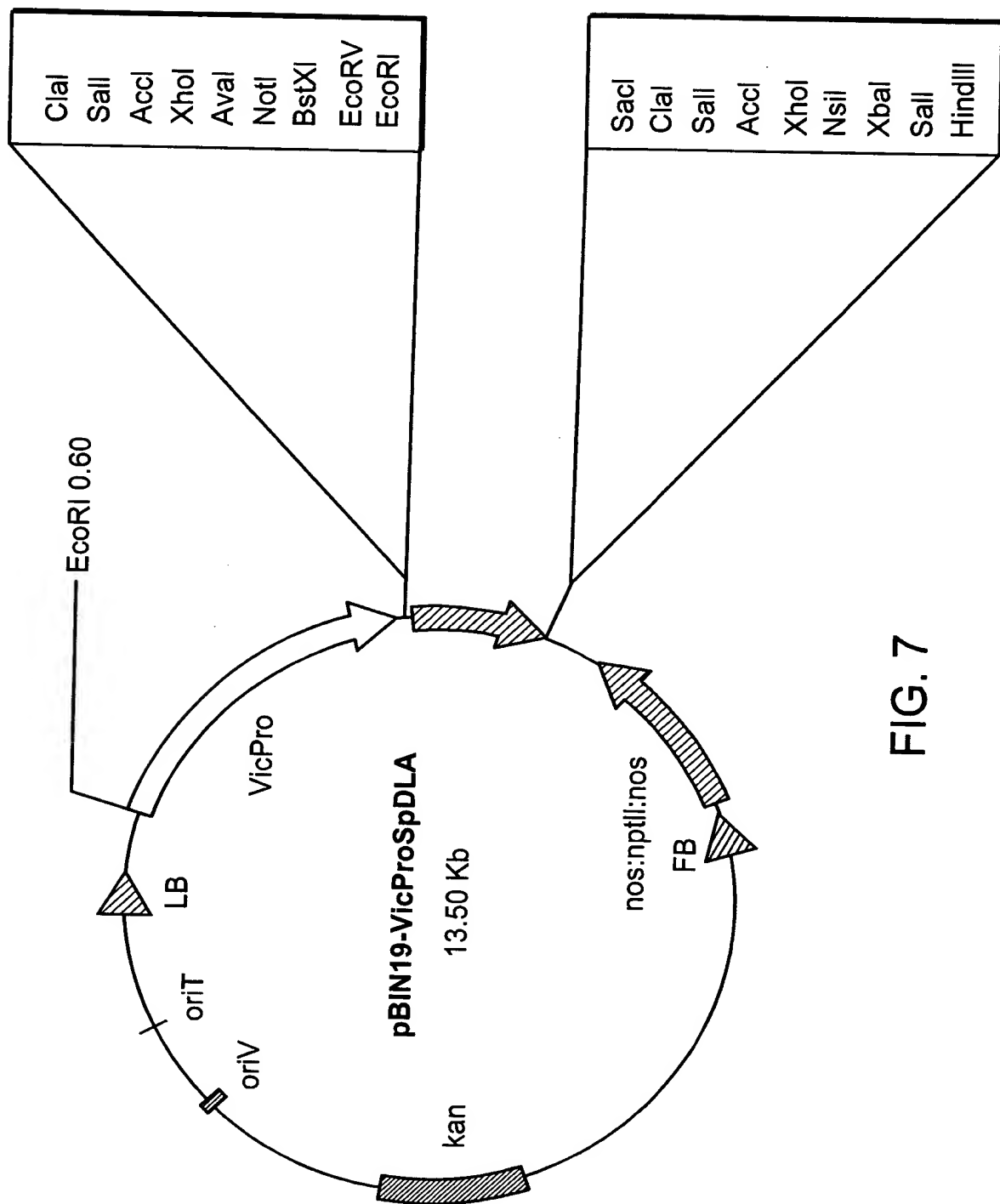


FIG. 7





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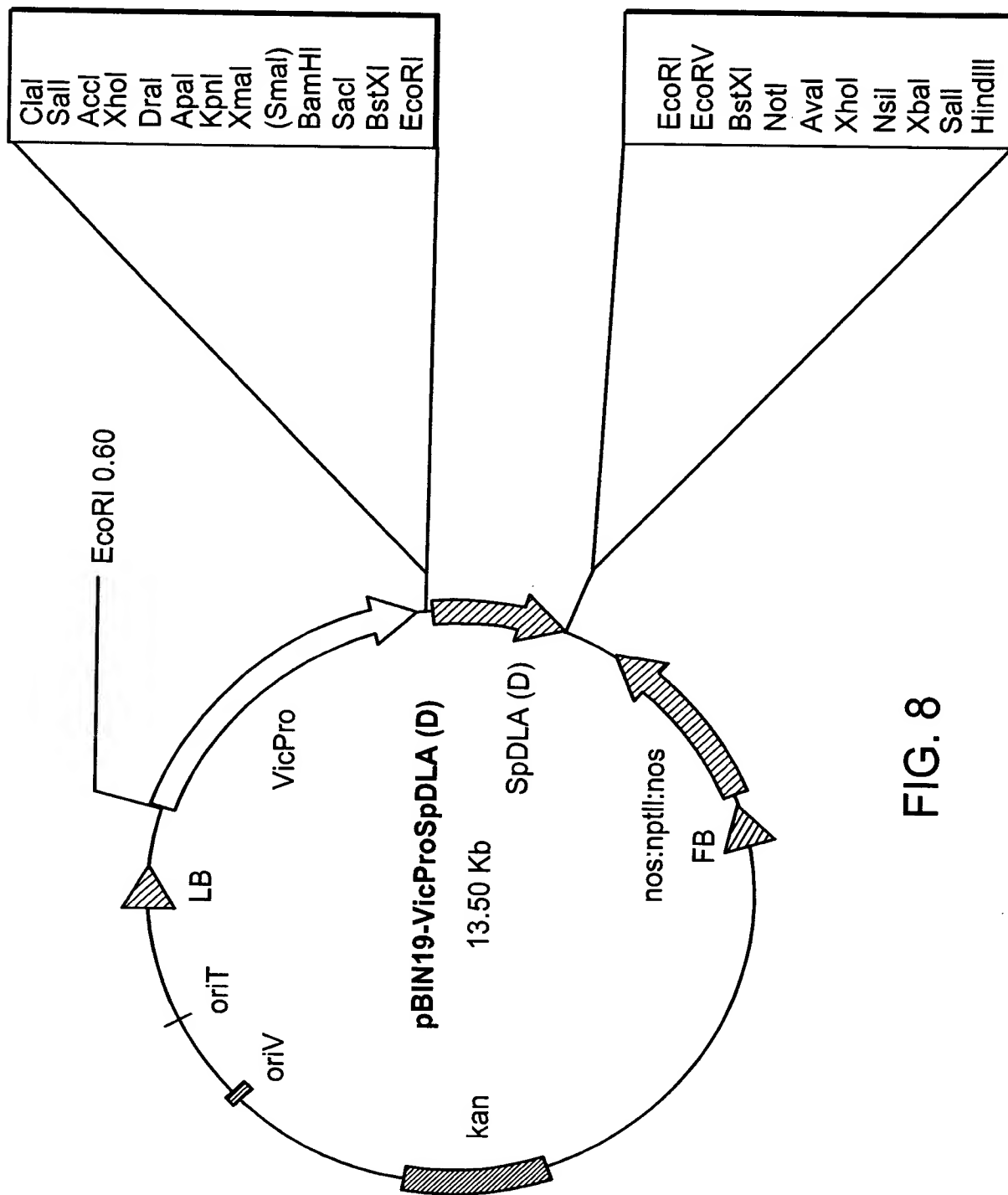


FIG. 8



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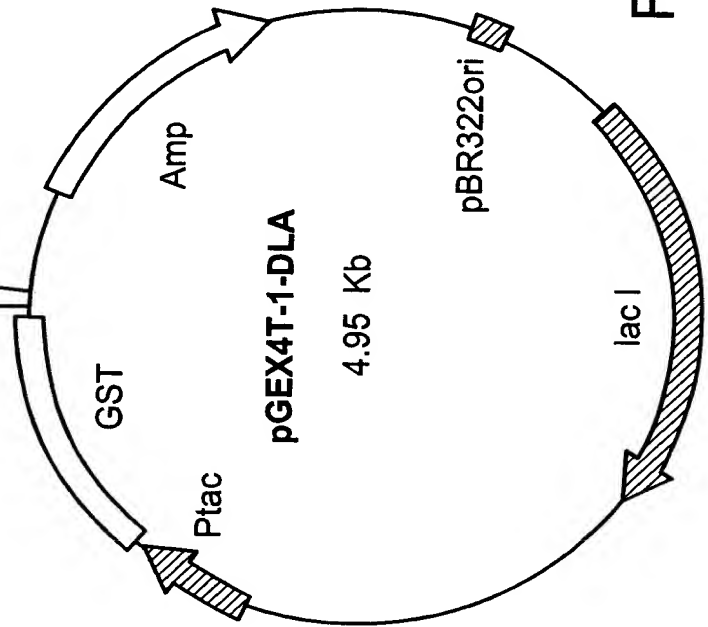
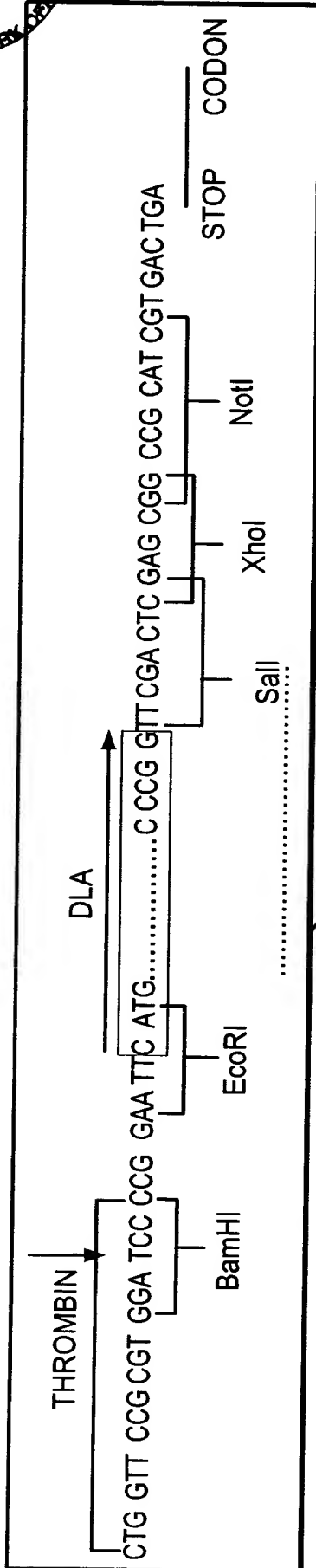


FIG. 9



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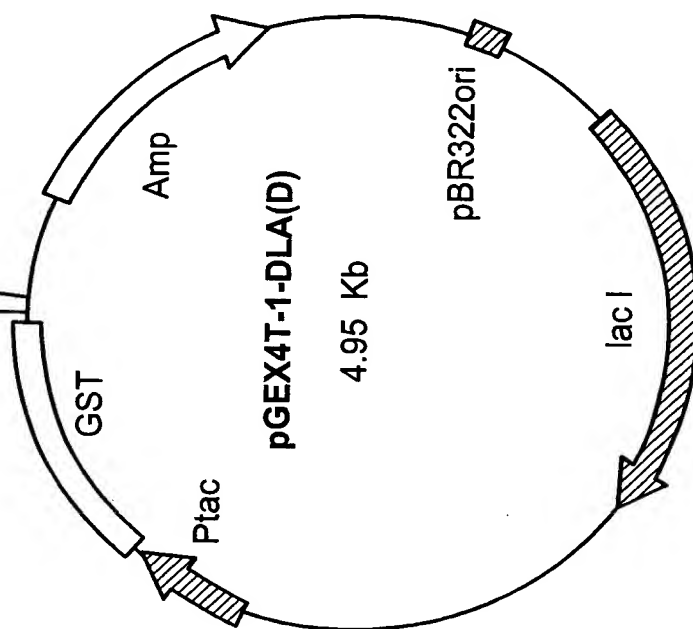
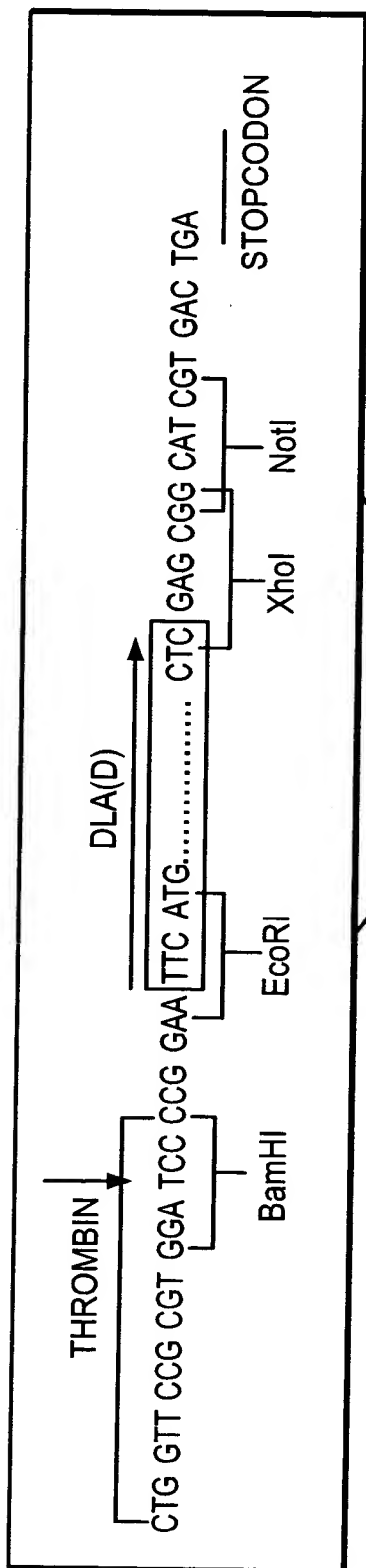


FIG. 10



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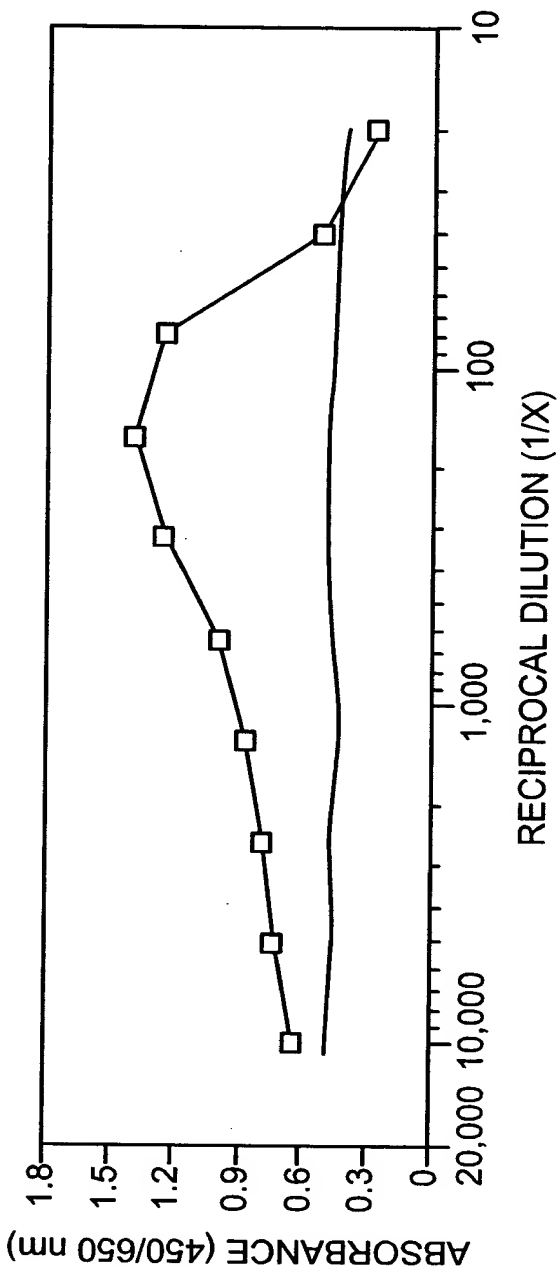


FIG. 13A

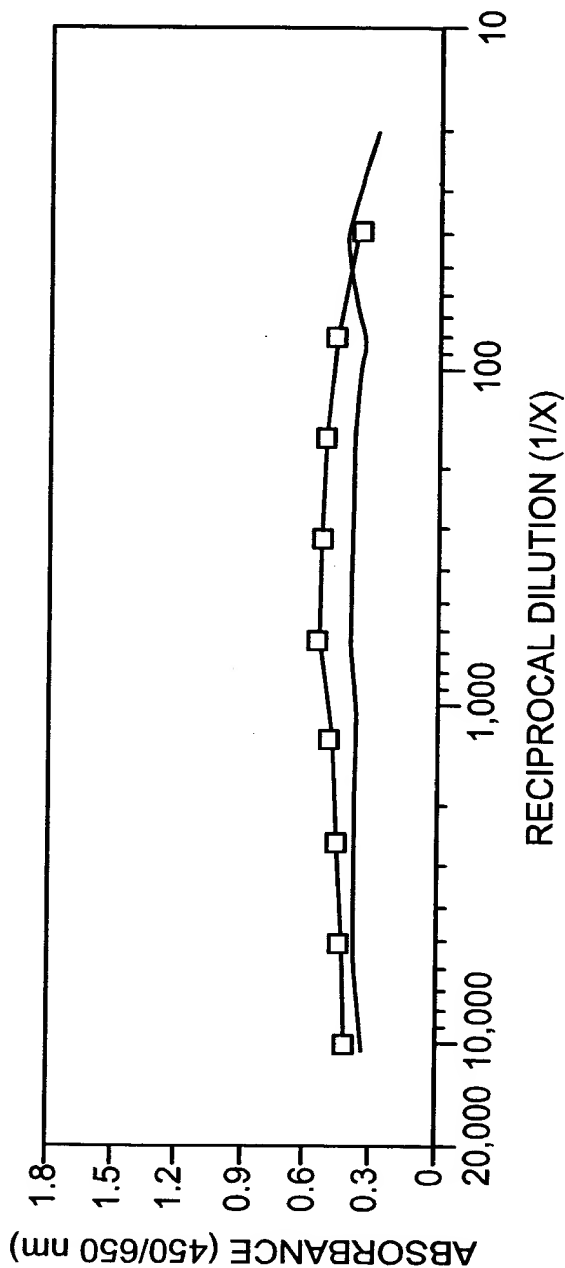


FIG. 13B



"REPLACEMENT SHEET"

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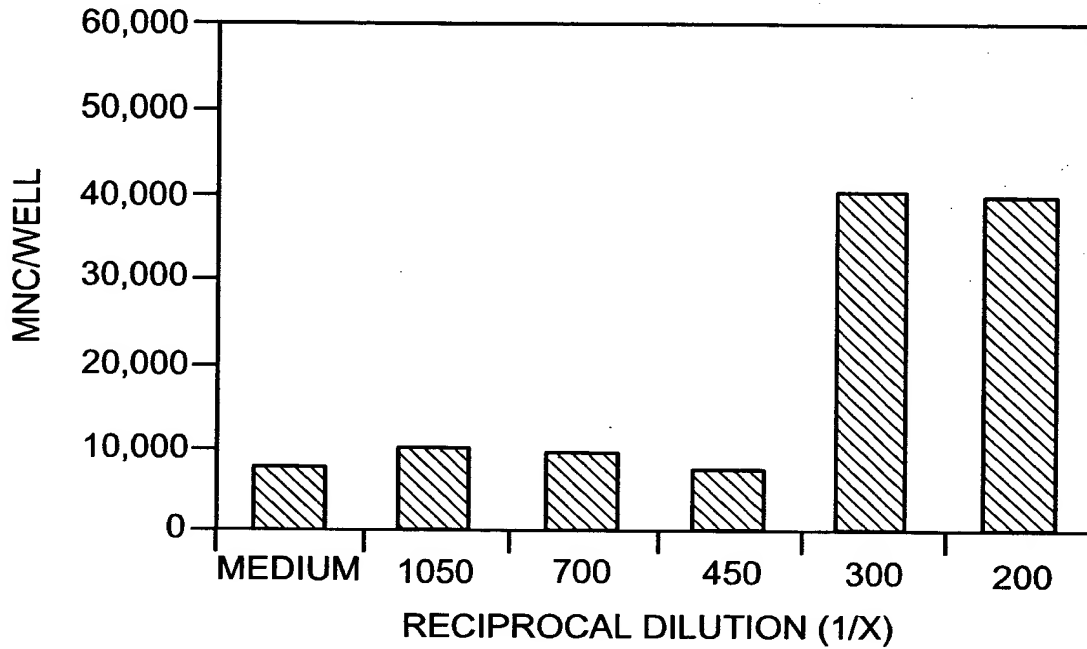


FIG. 14A

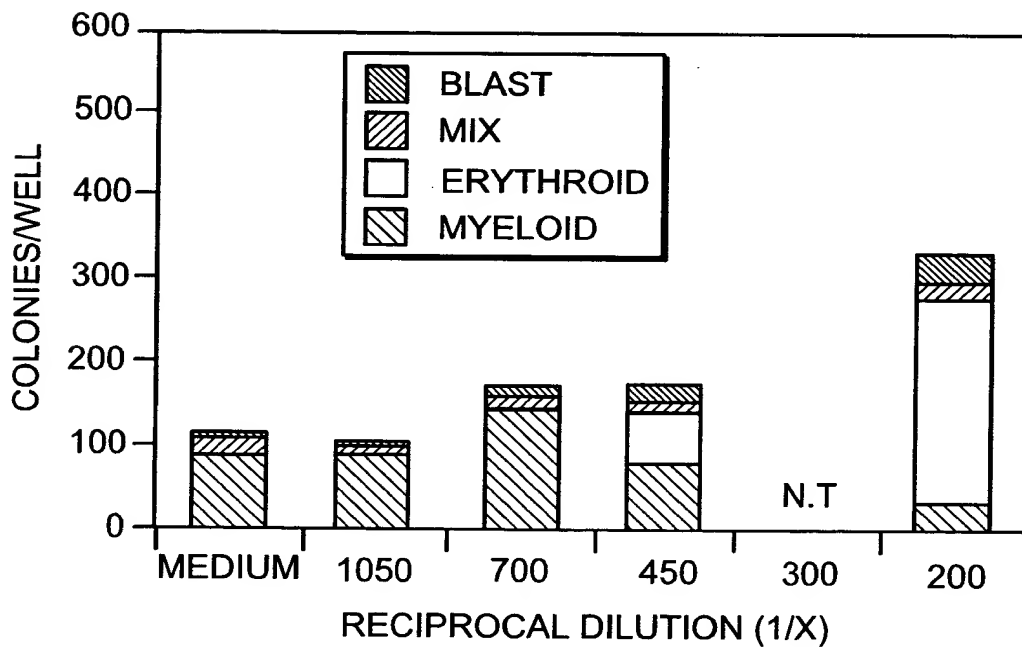


FIG. 14B



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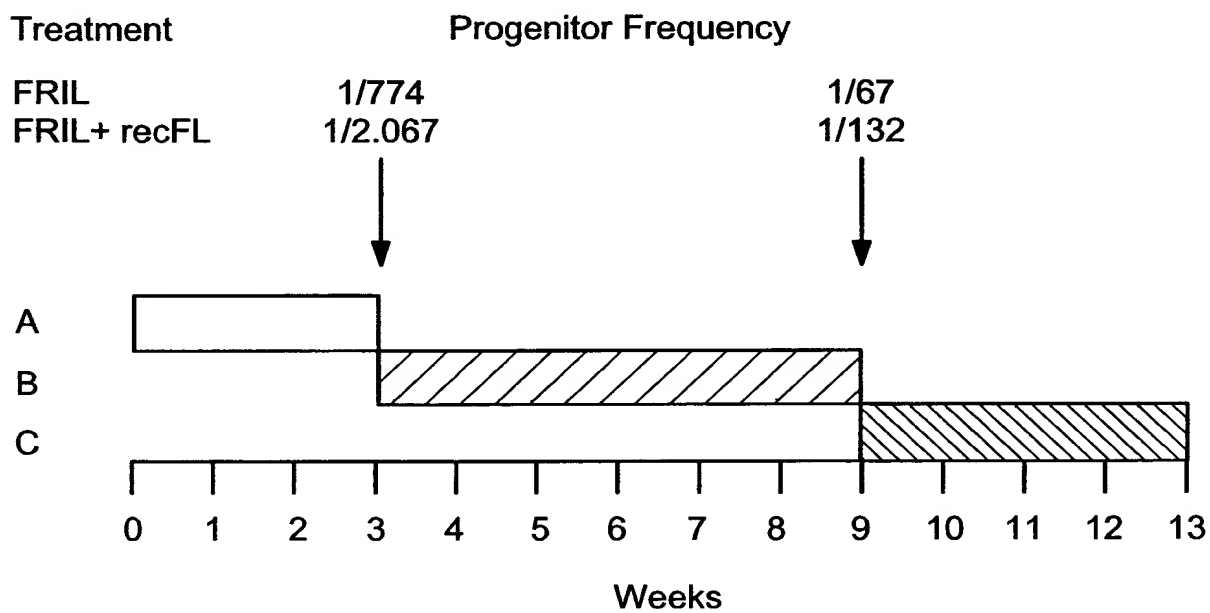


FIG. 16



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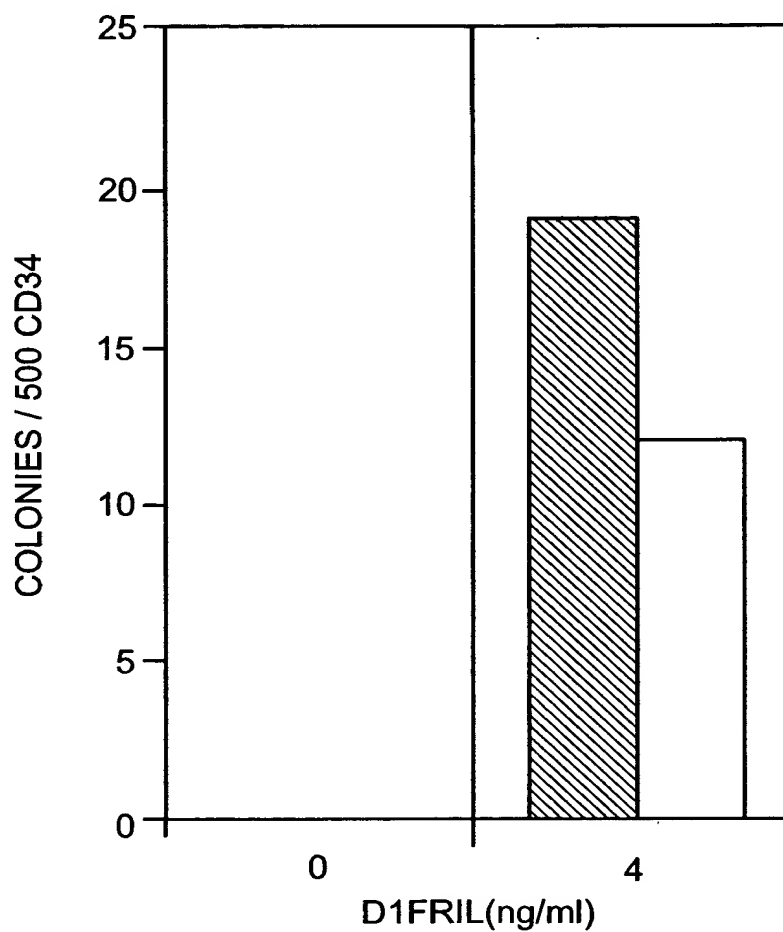


FIG. 18



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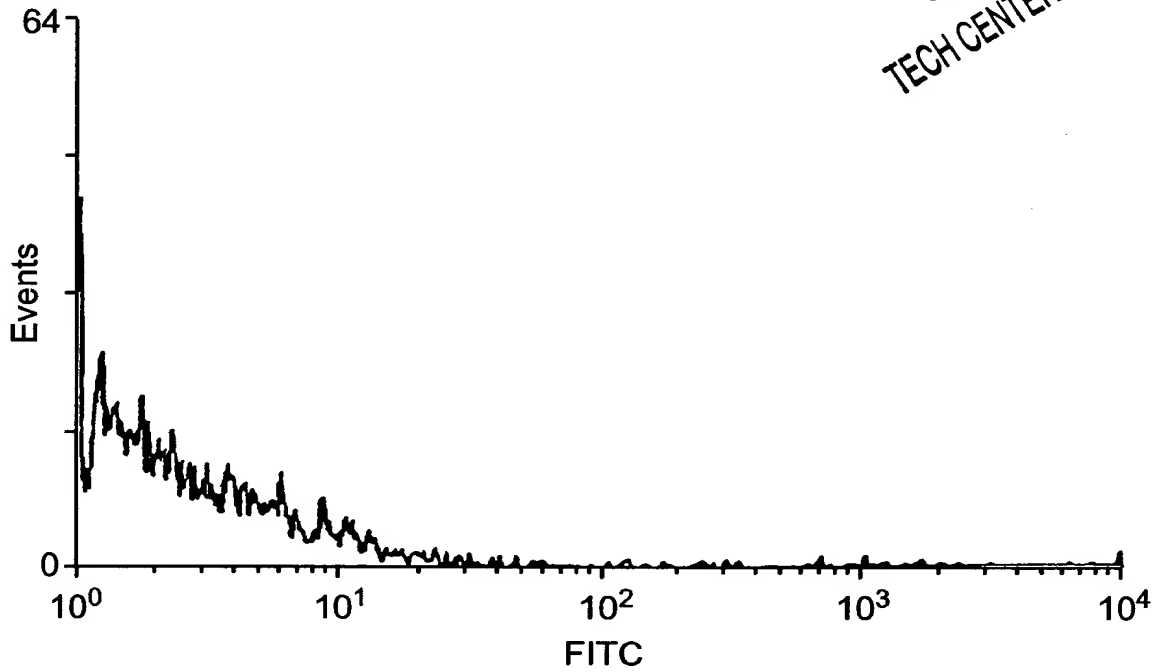


FIG. 22A

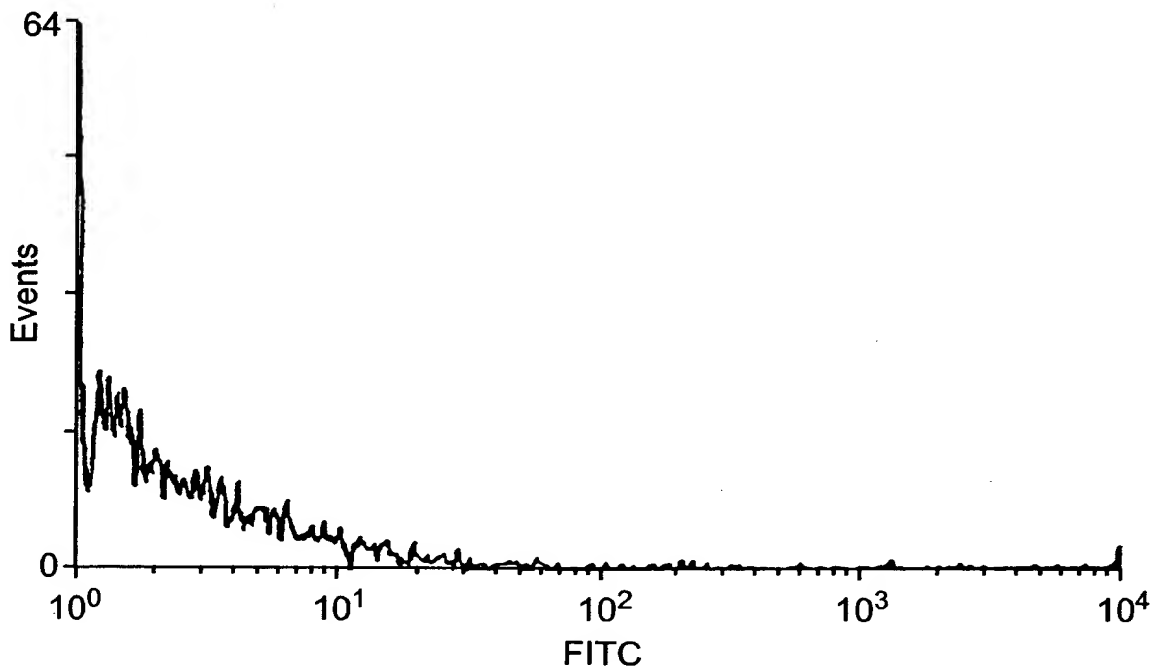


FIG. 22B





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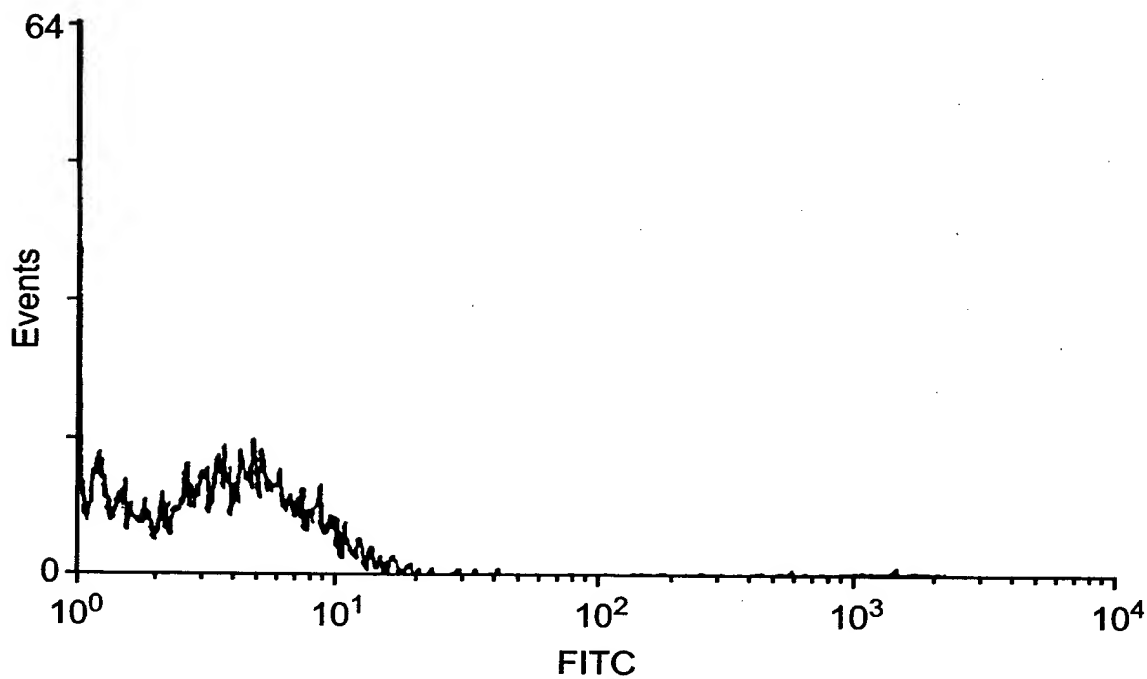


FIG. 22C

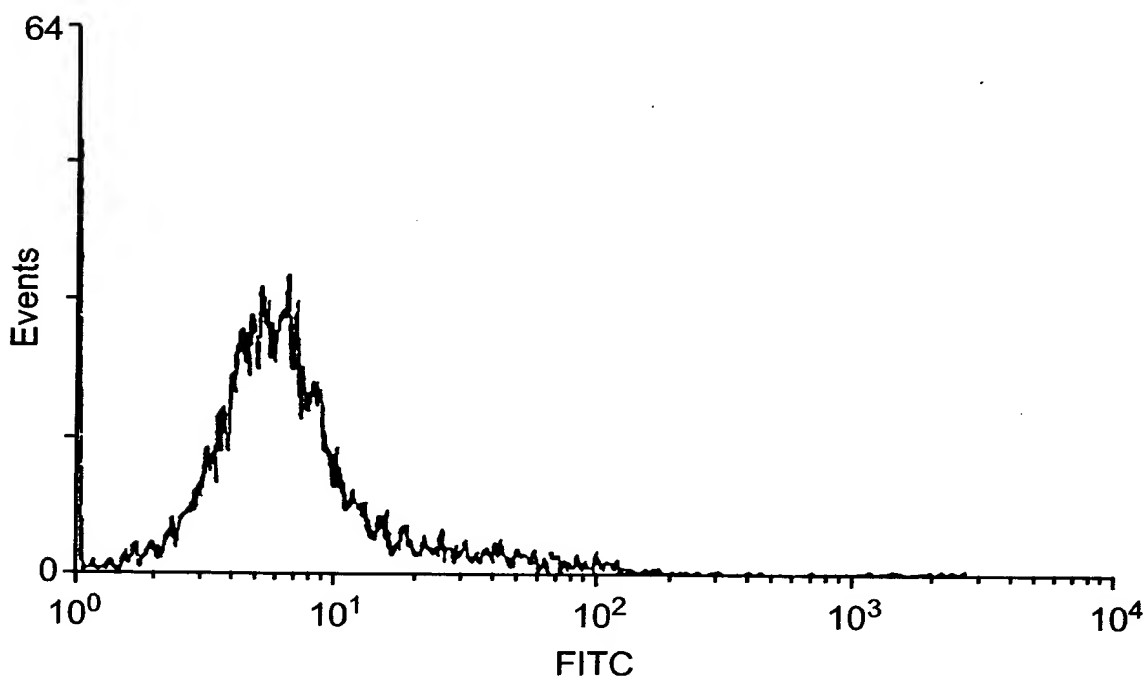


FIG. 22D



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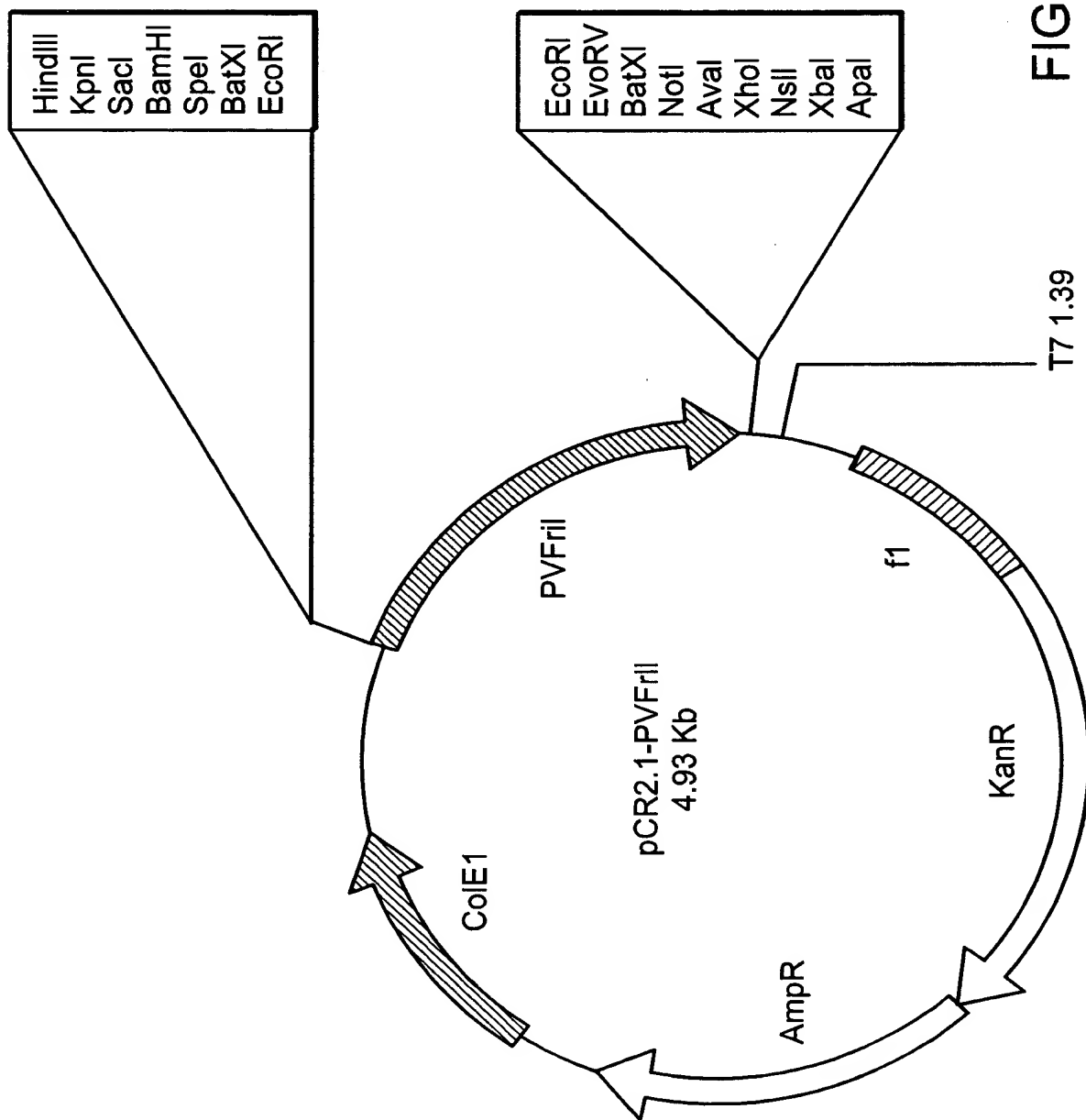


FIG. 24A



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FIG. 24B

DLL	1	AQSLSFSFTKFD	PNQKFD	DLIFQQTATS	-	26
PVFRIL	1	AQSLSFSFTKFD	LDQKFD	DLIFQQTATS	-	29
PHA-E	1	ASQTSFSFQREN	-ETNLILQRDATVSSKG	-	-	28
DLL	27	-KLDSSAGNPV	SSSAGRVLYSAP	LR	LW	51
PVFRIL	30	LTKLDSG	GPNPVGAS	GRVLYFSAP	FW	59
PHA-E	29	QLRLTNVNDNGE	PTLSSILGRAFYSAP	IQI	W	58
DLL	52	EDSAVLTSFDP	-TIIQI	FTNYTSTR	ADGL	78
PVFRIL	60	ENSMASVSEFTN	LTITIQI	STPHPYA	ADGE	88
PHA-E	59	DNTTGAVASFT	TSFT	DPNNSGPA	ADGL	88
DLL	79	AFIAPP	DSVI	GGFLGLFPN	AAESG	105
PVFRIL	89	AFALPHD	TVI	GGFLGLFPN	AAESG	118
PHA-E	89	AFVLLPVGSG	QPKDK	GGFLGLFPN	YKYDS	116
DLL	106	IAESEN	-	VVAVEEFTD	YLNPD	124
PVFRIL	119	PTSEN	QSGDVNTDSR	VVAVEEFTD	FPNA	146
PHA-E	117	NAH	-	TVAVEEFTD	LYNV	131
DLL	125	YGDPNYLHIG	IDVNSIR	SKVTA	SWDQNGK	154
PVFRIL	147	NI DPNYRHHIG	IDVNSIR	SKVTA	SWDQNGK	176
PHA-E	132	HWDPKPRHHIG	IDVNSIR	SKVTA	SWDQNGK	161
DLL	156	IAAHISYNS	VSKRLS	VTTYYPGRGK	PA	183
PVFRIL	177	IAAHISYNS	ASKRLS	VTTYYPGRGK	PA	205
PHA-E	162	NAEVLIT	YDS	STKLVASLVYPS	LKTSFIV	191
DLL	184	SYDIELH	TVLP	EWVVRVGLSASTGQ	-	210
PVFRIL	206	SHDVLHAE	LP	EWVVRVGLSASTGQ	-	232
PHA-E	192	SDTVDLKSV	LP	EWVVRVGLSASTGQ	-	221
DLL	211	RNTVHSWS	FTSS	SLWNTN	VAKVG	235
PVFRIL	233	KNTIISWS	FTSS	SLWNTN	VAKVG	262
PHA-E	222	TNDIISWS	FTSS	SLWNTN	VAKVG	248
DLL	236	SG	-	-	-	237
PVFRIL	263	VR	SY	INDVLS	YISNK	279
PHA-E	249	ALNQIL	-	-	-	254



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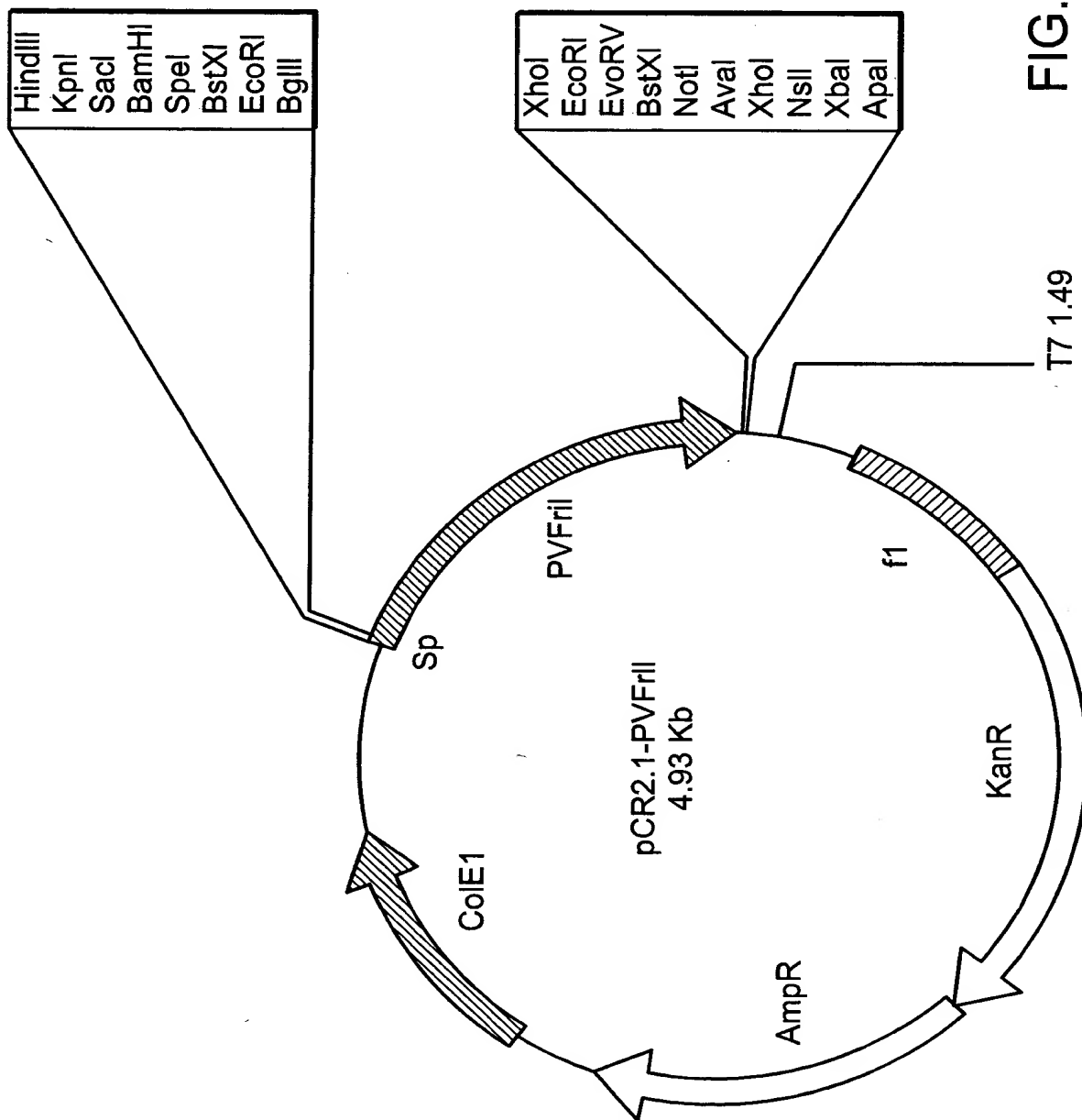


FIG. 25



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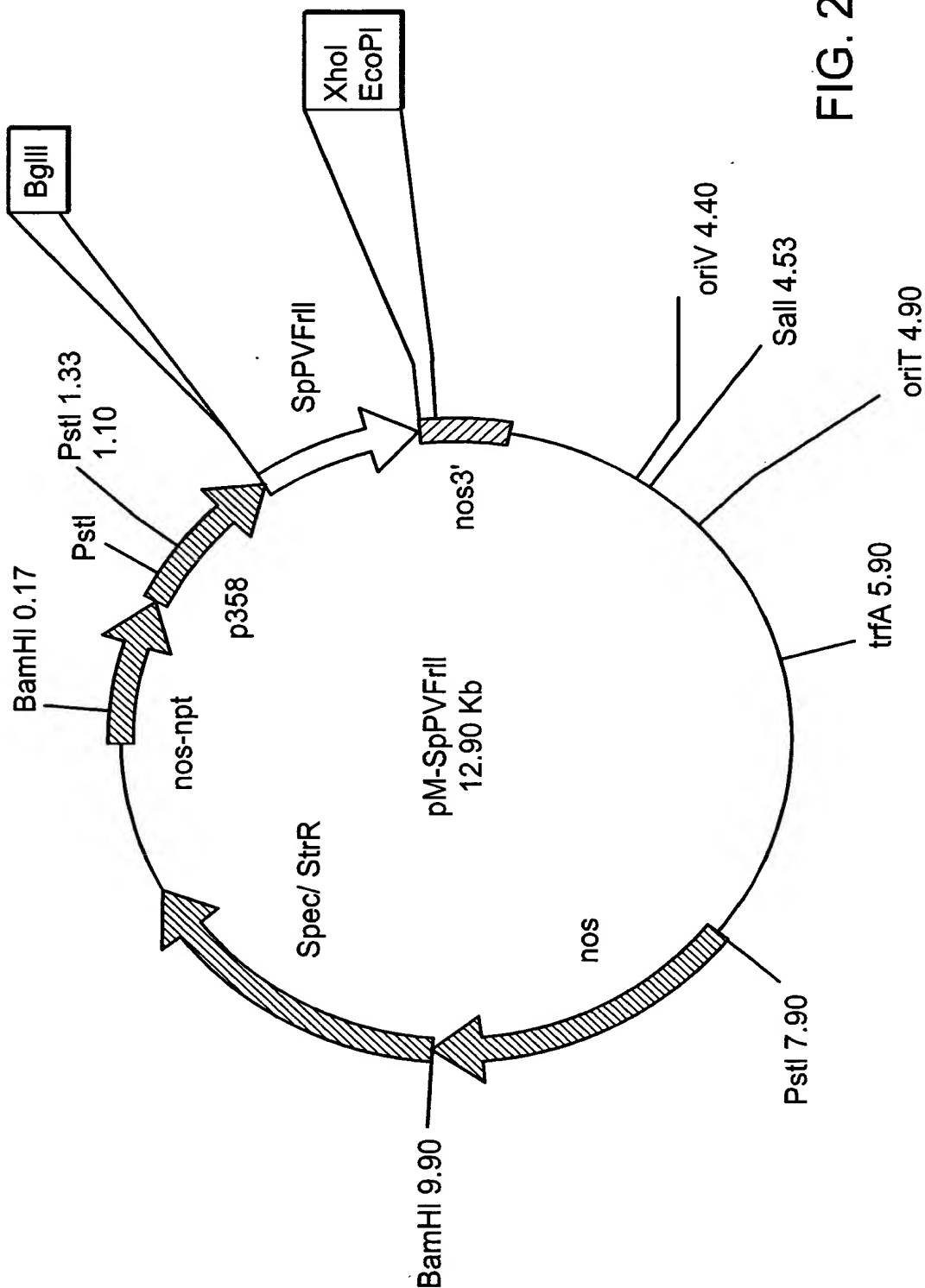


FIG. 26



"REPLACEMENT SHEET"

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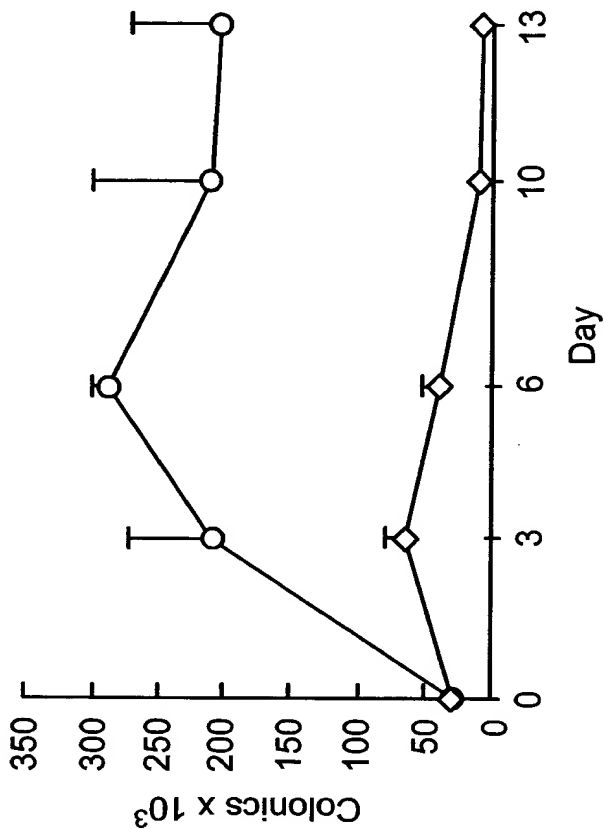


FIG. 27B

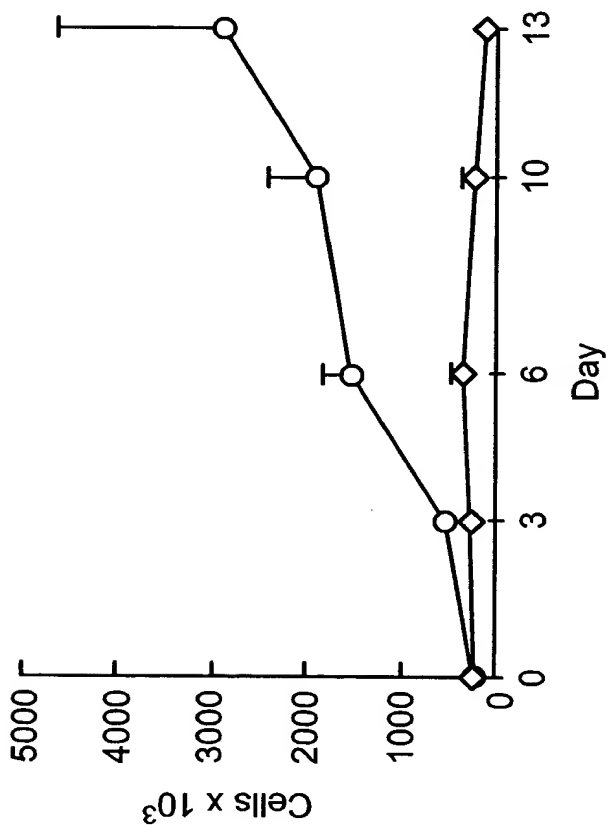


FIG. 27A

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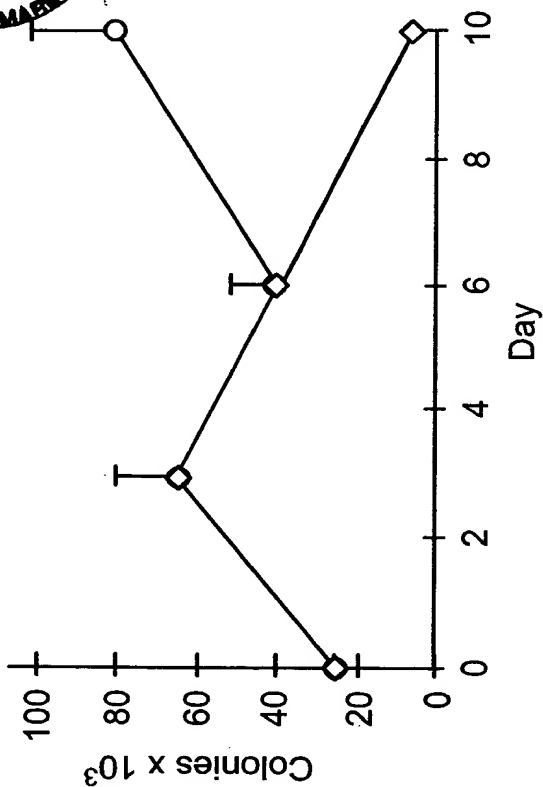


FIG. 28B

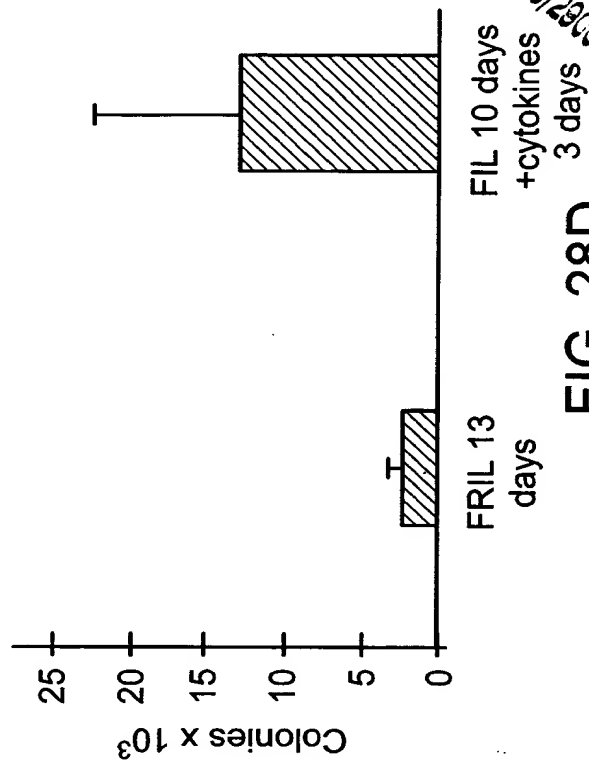


FIG. 28D

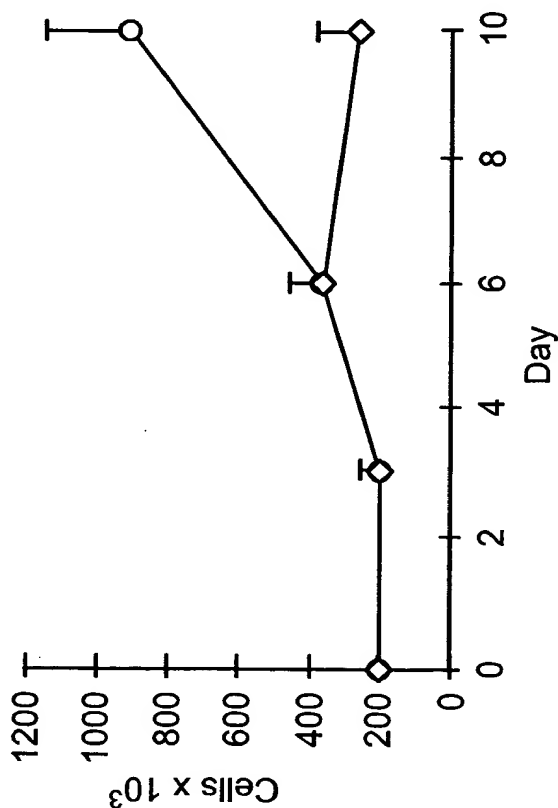


FIG. 28A

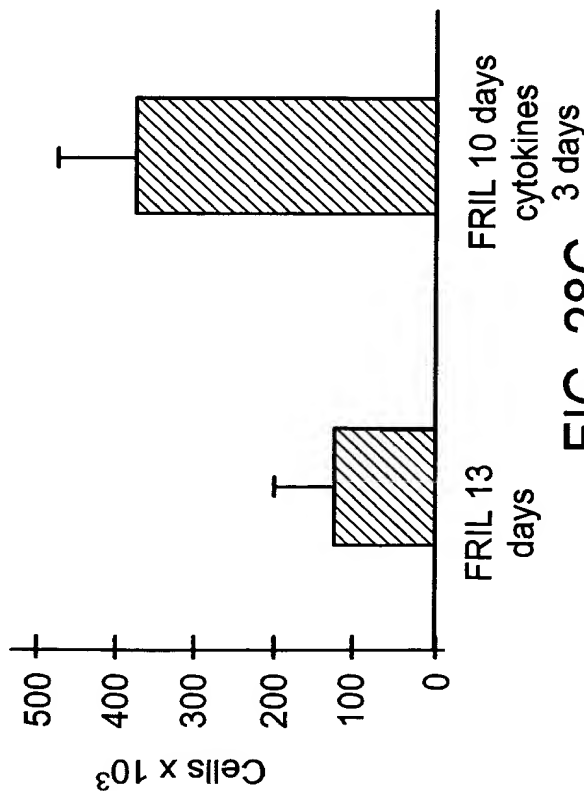


FIG. 28C

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human/mouse  
DNA mix. (%)

0 0.1 1 10

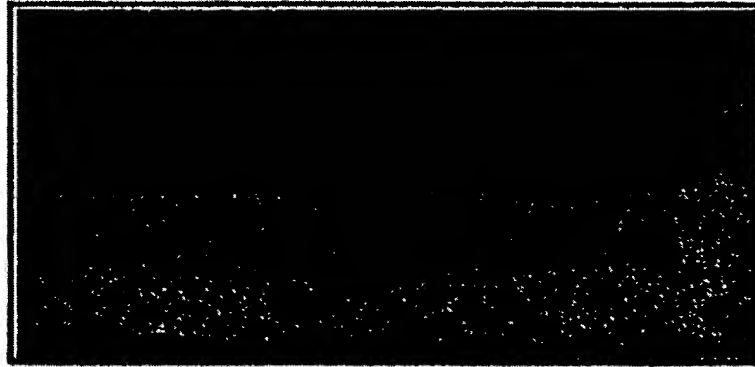


FIG. 29E

1 2 3 4



FIG. 29D

1 2



FIG. 29C

1 2 3 4



FIG. 29B

1 2 3



FIG. 29A

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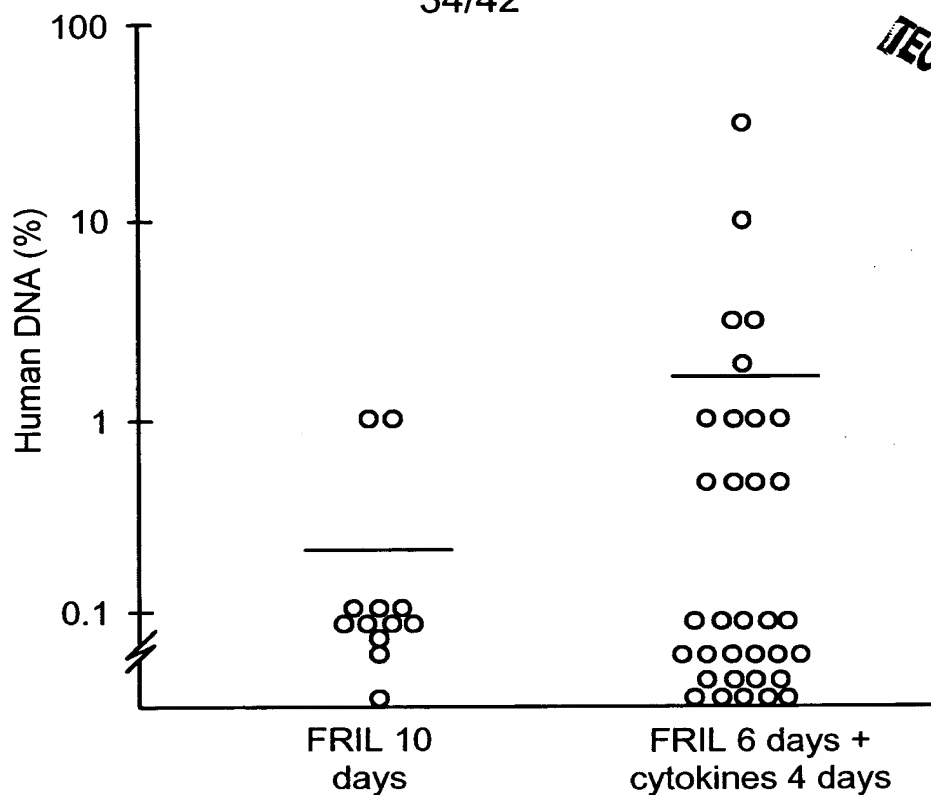


FIG. 30

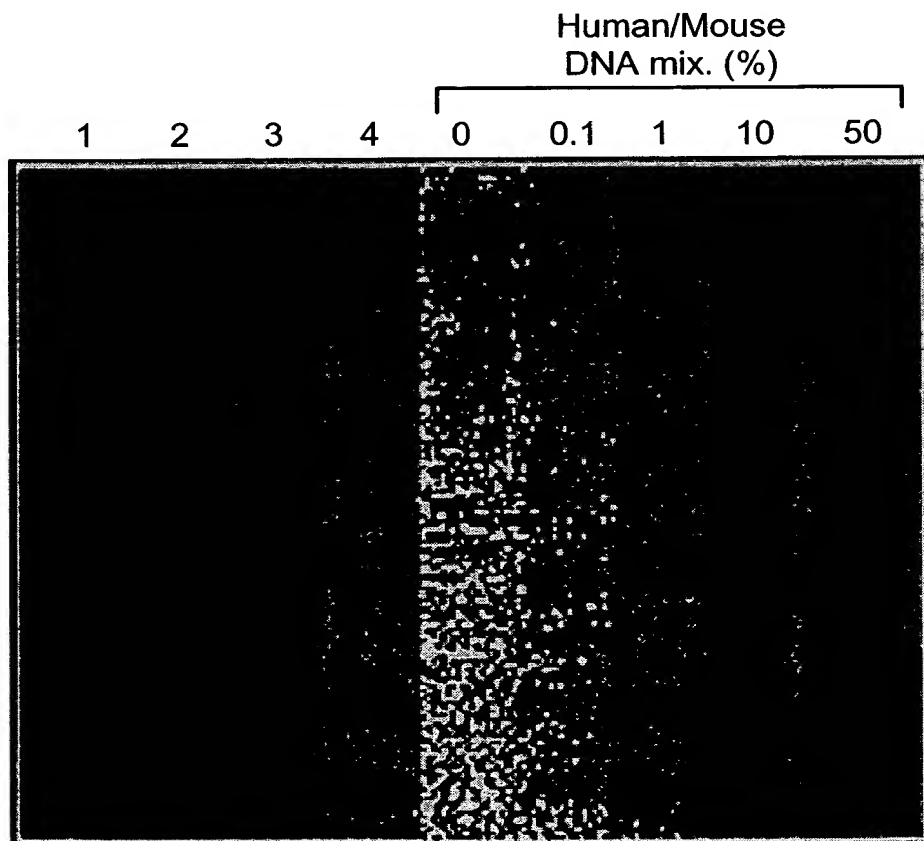


FIG. 31

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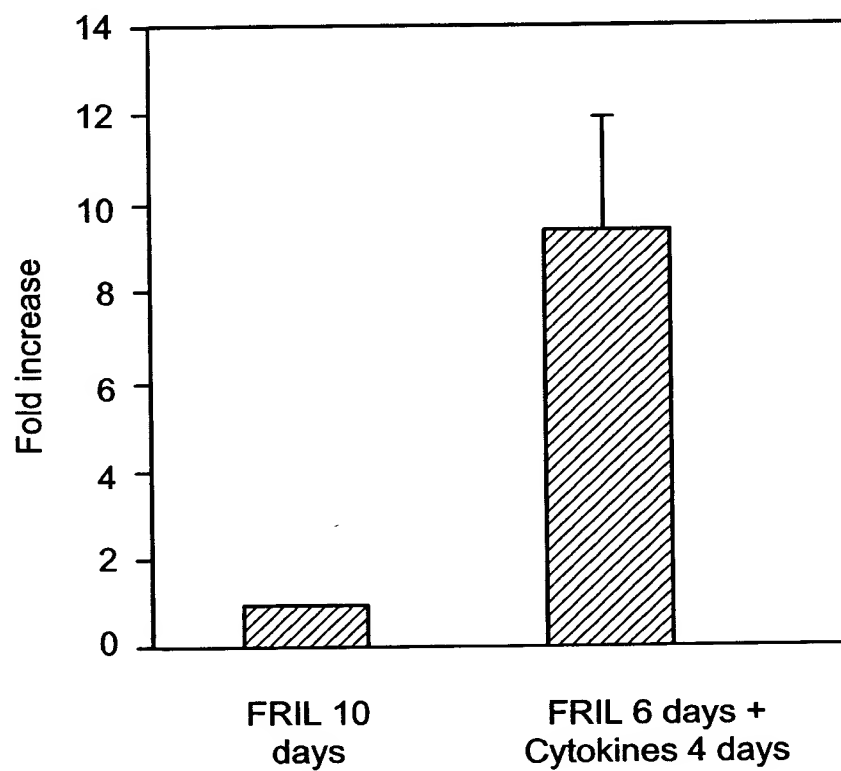


FIG. 32



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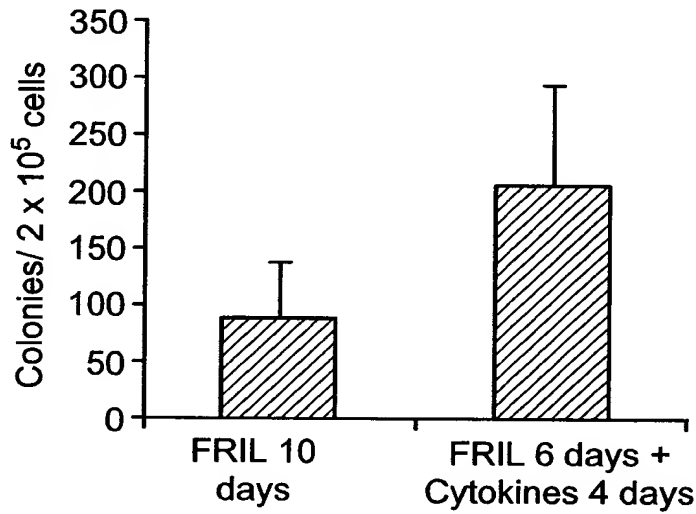


FIG. 33A

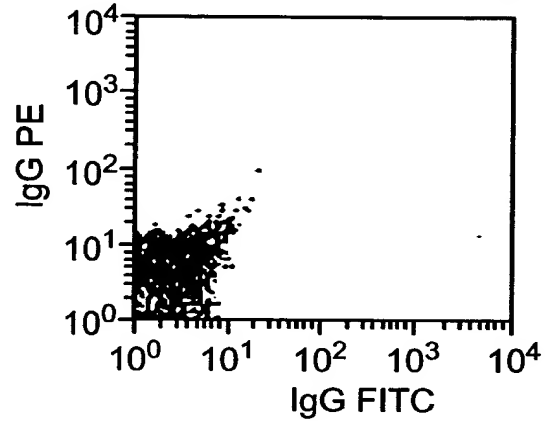


FIG. 33B

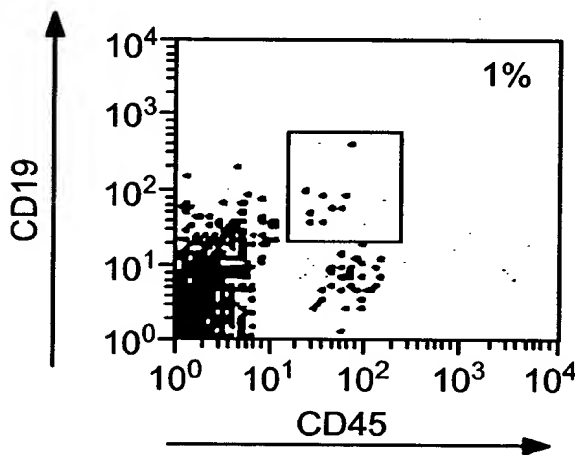


FIG. 33C

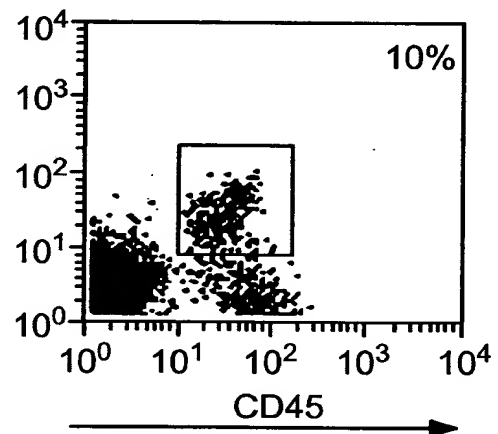


FIG. 33D

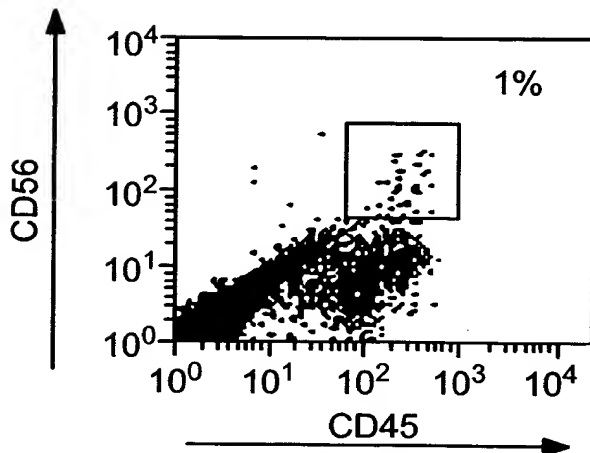


FIG. 33E

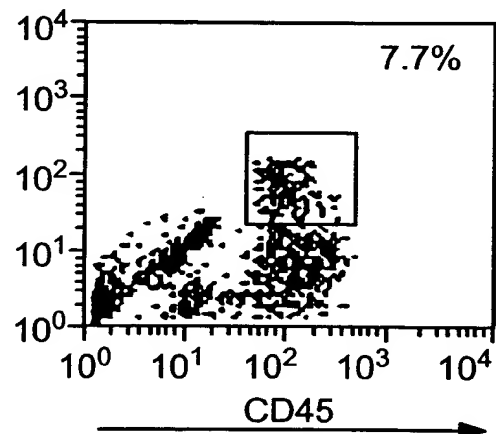


FIG. 33F



"REPLACEMENT SHEET"

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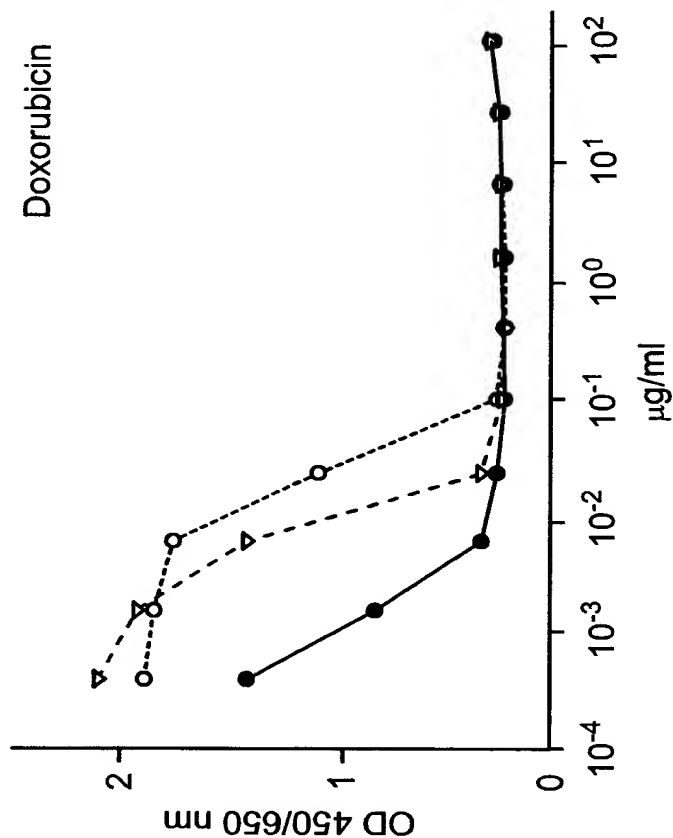


FIG. 36B

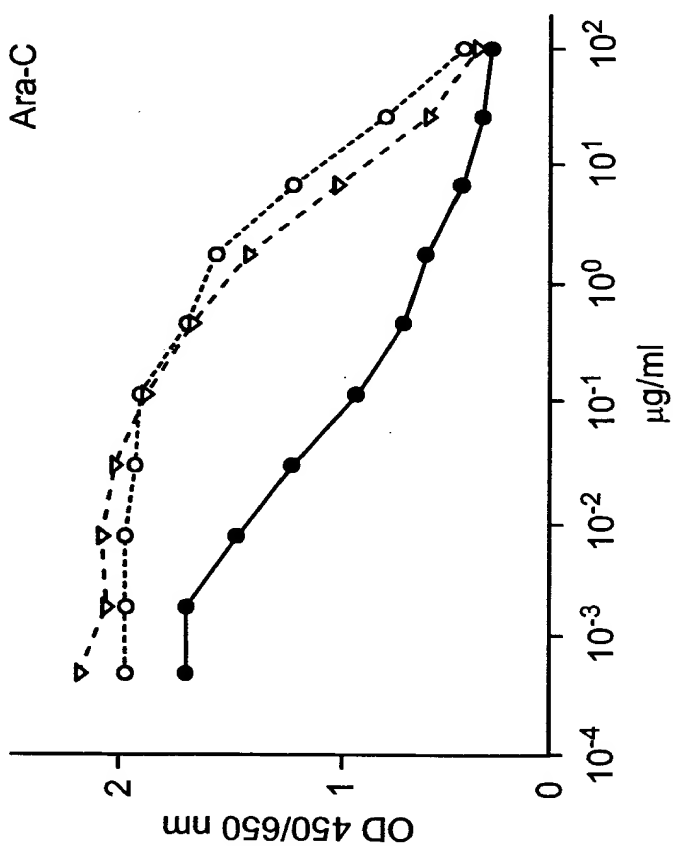


FIG. 36A

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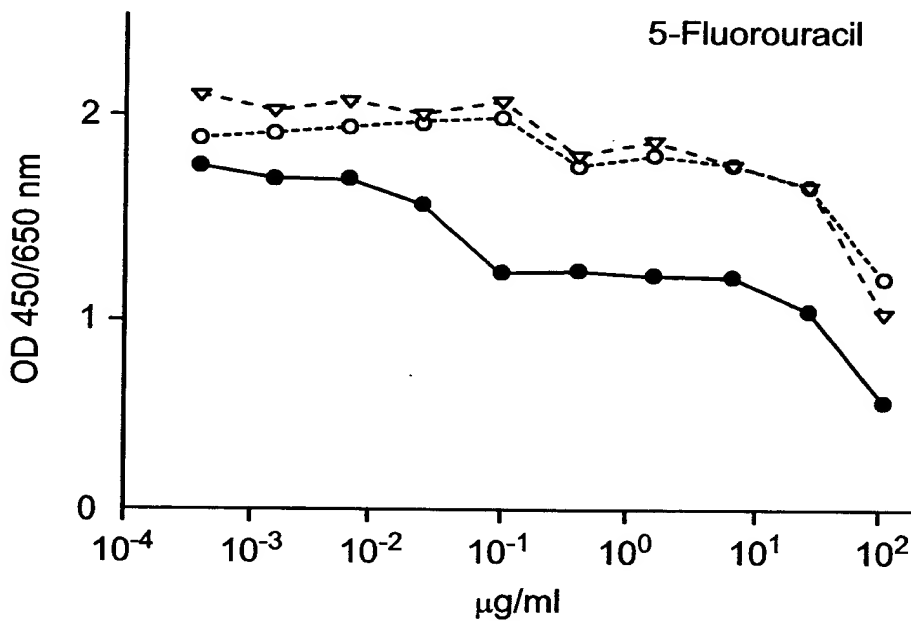


FIG. 36C